

FIGURE 1

Sequence alignments of N-terminal regions of α subunits and N-terminal sequences of GPA₄₁- α hybrid proteins

A. Alignment of GPA1 with α Subunits

GPA1
MGC.TVSTOTIGDESDPFLONKRANVDVIEQSLQLEKORDKNEIKLLLLGAGESGKSTVLKQLKLLHQ.....
 α s
 MGCLGTS...KTEDQRNEEKAQREANKKIEKQLQDKQVYRATHRLLLGAGESGKSTIVKQMRILHV.....
 α i2
 MGC.TVS.....AEDKAAERSKMIDKNLREDGEKAAAREVKLLLLGAGESGKSTIVKQMKIIE.....
 α i3
 MGC.TVS.....AEDKAAVERSKMIDKNLREDGEKAAKEVKLLLLGAGESGKSTIVKQMKIIE.....
 α 16
 MARSLTWRCCPWCLTEDEKAAARVDQEINRIILEQKKQDRGELKLLLLGPGESGKSTFIKQMRIIHG.....

B. GPA₄₁- α Hybrids

GPA₄₁- α s
MGC.TVSTOTIGDESDPFLONKRANVDVIEQSLQLEKORDKNERKLLLLGAGESGKSTIVKQMRILHV.....
 GPA₄₁- α i2
MGC.TVSTOTIGDESDPFLONKRANVDVIEQSLQLEKORDKNEVKLLLLGAGESGKSTIVKQMKIIE.....
 GPA₄₁- α i3
MGC.TVSTOTIGDESDPFLONKRANVDVIEQSLQLEKORDKNEVKLLLLGAGESGKSTIVKQMKIIE.....
 GPA₄₁- α 16
MGC.TVSTOTIGDESDPFLONKRANVDVIEQSLQLEKORDKNEIKLLLLGPGESGKSTFIKQMRIIHG.....